

DRILL HOLES

DRILL HOLES

DRILL HOLES

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 AND MECHANICS VALLEY ROAD IN CECIL COUNTY. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION. THE WORK CONSISTS OF REPLACING THE SIGNAL INDICATIONS WITH BLACK FACE (L.E.D) SIGNAL INDICATIONS AND ADDING A THIRD SIGNAL INDICATION FOR W.B. US 40.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH A EXCLUSIVE LEFT TURN PHASES FOR E.B. AND W.B. US 40 AND CONCURRENT SIDE STREET PHASING. THIS PHASING WILL NOT CHANGE. THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER AND NEMA "6" CABINET WILL REMAIN THE SAME.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

QUANTITY	DESCRIPTION
NONE	

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8025	46 EA	FURNISH AND INSTALL LED SIGNAL HEAD MODULES
8028	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8078	20 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO.14 A.W.G.)

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

ALL SIGNAL EQUIPMENT TO BE REMOVED AND NOT RETURNED TO THE SHA SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
PHASE 1 & 5	<G-	<G-	R	R	R	<G-	<G-	R	R	R	R	R	R	R	
1 & 5 CHANGE	PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6														
PHASE 1 & 6	<G-	<G-	G	G	G	<R-	<R-	R	R	R	R	R	R	R	
1 & 6 CHANGE	<Y-	<Y-	G	G	G	<R-	<R-	R	R	R	R	R	R	R	
PHASE 2 & 5	<R-	<R-	R	R	R	<G-	<G-	G	G	G	R	R	R	R	
2 & 5 CHANGE	<R-	<R-	R	R	R	<Y-	<Y-	G	G	G	R	R	R	R	
PHASE 2 & 6	<R-	<R-	G	G	G	<R-	<R-	G	G	G	R	R	R	R	
2 & 6 CHANGE	<R-	<R-	Y	Y	Y	<R-	<R-	Y	Y	Y	R	R	R	R	
PHASE 4 & 8	<R-	<R-	R	R	R	<R-	<R-	R	R	R	G	G	G	G	
4 & 8 CHANGE	<R-	<R-	R	R	R	<R-	<R-	R	R	R	Y	Y	Y	Y	
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

TOD No.: AT782-36
SHA No.: CE334A51/B51

TRAFFIC**C**ONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

FAX (410) 923-6473
EMAIL TRACONCEPT@AOL.COM

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
US 40 AND MECHANICS VALLEY ROAD

SCALE	NONE	DATE	12-2005	CONTRACT NO.	AT 7825185
DESIGNED BY	THOMAS ZAYDEL	COUNTY	CECIL		
DRAWN BY	THOMAS ZAYDEL	LOGMILE			
CHECKED BY	KEN SCHMID	T.I.M.S. NO.	H 072		
F.A.P. NO.	NA	TOD NO.			
DRAWING NO. TS-1895 I GI			SHEET NO. 2 OF 2		